

**WE CLAIM:**

1. A method for remote maintenance of a technical device by a maintenance technician by a maintenance computer, comprising the steps of:  
establishing a remote data connection between the maintenance computer and the technical device;  
transmitting electronic access information dependent on a scope of intended access to data stored in the technical device from the maintenance computer to the technical device;  
transmitting an electronic identifier identifying the maintenance technician from the maintenance computer to the technical device;  
determining an approval by an operating personnel of an access by the technical device dependent on access information and the identifier; and  
generating electronic authentication information by the technical device dependent on the determination of the approval.
2. A method according to claim 1, further comprising the step of:  
transmitting authentication information from the technical device to the maintenance computer.
3. A method according to claim 1, further comprising the step of:  
printing information by the technical device dependent in the authentication information.
4. A method according to claim 1, further comprising the step of:  
transmitting electronic termination information dependent on a termination of the access from the maintenance computer to the technical device.
5. A method according to claim 1, further comprising the step of:  
transmitting electronic documentation of accesses effected by the maintenance computer from the maintenance computer to the technical device.

6. A method according to claim 1, further comprising the step of:  
automatically deleting electronic data that has been transmitted from the technical device to the maintenance computer and stored in the maintenance computer from the maintenance computer by the maintenance computer, dependent on termination of the access.

7. A method according to claim 1, further comprising the step of:  
automatically determining an extent of an intended data access during the remote maintenance.

8. A computer-readable storage medium on which is stored information that interacts with a data processing device in order to execute a method on the data processing device comprising the steps of:  
establishing a remote data connection between the maintenance computer and the technical device;  
transmitting electronic access information dependent on a scope of intended access to data stored in the technical device from the maintenance computer to the technical device;  
transmitting an electronic identifier identifying the maintenance technician from the maintenance computer to the technical device;  
determining an approval by an operating personnel of an access by the technical device dependent on access information and the identifier; and  
generating electronic authentication information by the technical device dependent on the determination of the approval.